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APR 30 2007

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| | |
|------------------------|---|
| Application Number | 09/652,533 (U.S. Patent No. 7,094,690 B1) |
| Filing Date | August 31, 2000 (issued on August 22, 2006) |
| First Named Inventor | Gurtej S. Sandhu et al. |
| Art Unit | 2823 |
| Examiner Name | W. Coleman |
| Attorney Docket Number | MI22-1385 |

| ENCLOSURES (Check all that apply) | | |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO Return Receipt Postcard Req. for Cert. of Correction - PTO Mistakes Certificate of Correction in duplicate Copies of Initiated Forms PTO-1449 |
| <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address | |
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| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | Customer No. 021567 | |
| Although there is no fee believed due, the Commissioner is hereby authorized to charge any fees under 37 C.F.R. 1.16 and 1.17 which may be required by this paper to Deposit Account No. 23-0925. | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | | |
|--------------|----------------------|----------|--------|
| Firm Name | Wells St. John P.S. | | |
| Signature | <i>James E. Lake</i> | | |
| Printed name | James E. Lake | | |
| Date | 27 Apr 2007 | Reg. No. | 44,854 |

*Certificate
of Correction
MAY 02 2007*

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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| Typed or printed name | Racquel M. Esplin | Date | 4/27/07 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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MAY - 7 2007



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. 7,094,690 B1
Patent Issue Date August 22, 2006
Application Serial No. 09/652,533
Filing Date August 31, 2000
Assignee Micron Technology, Inc.
Inventorship Gurtej S. Sandhu et al.
Attorney's Docket No. MI22-1385
Title: Deposition Methods and Apparatuses Providing Surface Activation

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT FOR PTO MISTAKE (37 C.F.R. 1.322(a))

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ATTN: Decision and Certificate of Correction
Branch of the Patent Issue Division

From: James E. Lake (Tel. 509-624-4276; Fax 509-838-3424)
Wells St. John P.S.
601 W. First Avenue, Suite 1300
Spokane, WA 99201-3828

Sir:

It is hereby requested that a Certificate of Correction be issued with respect to Patent No. 7,094,690 B1, granted August 22, 2006, in accordance with the Certificate of Correction form attached hereto in duplicate.

The errors listed on the Certificate of Correction form were apparently incurred through the fault of the PTO as will be disclosed by the records of files in the Office, in particular, Applicant's Information Disclosure Statement filed December 15, 2000 and Supplemental Information Disclosure Statements filed July 1, 2004, December 7, 2004, March 23, 2005, and October 21, 2005 (initialled copies of Forms PTO-1449 attached).

Since this Certificate of Correction is being requested due to PTO errors, it is believed that no fee is due. However, in the event that a fee is required for issuance of this Certificate of Correction, please charge the fee specified under 37 C.F.R. § 1.20(a) to Deposit Account No. 23-0925. Please credit Deposit Account No. 23-0925 with any overpayment of the above fee.

Attached hereto, in duplicate is Form PTO-1050, with at least one copy being suitable for printing.

Respectfully submitted,

Dated: 27 Apr 2007

By:



James E. Lake
Reg. No. 44,854

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 3

PATENT NO. : 7,094,690 B1

APPLICATION NO.: 09/652,533

DATED : August 22, 2006

INVENTOR(S) : Gurtej S. Sandhu et al.

It is certified that an error or errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, References Cited, U.S. PATENT DOCUMENTS, please insert:

--4,058,430 11/1977 Suntola et al.--
--5,124,278 06/1992 Bohling et al.--
--5,270,247 12/1993 Sakuma et al.--
--5,290,824 09/2001 Mandal--

Title Page, References Cited, FOREIGN PATENT DOCUMENTS, please insert:

--EP 0 794 568 10/1997--
--Kiyoko et al., Patent Abstract Application No. 04-024917 (JP 9224917, 09/1993),
"Semiconductor Substrate and Its Manufacture."--

Page 2, U.S. PATENT DOCUMENTS, please insert:

--5,937,300 08/1999 Sekine et al.--
--6,060,383 05/2000 Nogami et al.--
--6,165,916 12/2000 Muraoka et al.--
--6,258,690 07/2001 Zenke--
--6,620,723 09/2003 Byun et al.--
--6,627,260 09/2003 Derderian et al.--
--6,627,503 09/2003 Ma et al.--

Page
1 of 3

Mailing Address of Sender:

James E. Lake
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Patent No. US 7,094,690 B1

MAY 1 - 7 2007.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 2 of 3

PATENT NO. : 7,094,690 B1

APPLICATION NO.: 09/652,533

DATED : August 22, 2006

INVENTOR(S) : Gurtej S. Sandhu et al.

It is certified that an error or errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Page 2, U.S. PATENT DOCUMENTS, please insert:

--6,727,169 04/2004 Raaijmakers et al.--
--2002/0066411 06/2002 Chiang et al.--
--2005/0101119 A1 05/2005 Li et al.--
--2005/0124153 A1 06/2005 Cohen--
--2005/0124158 A1 06/2005 Lopatin et al.--
--2005/0124171 A1 06/2005 Vaartstra--

Page 2, OTHER PUBLICATIONS, please insert:

--Vernon, S.M., "Low-cost, high-efficiency solar cells utilizing GaAs-on-Si technology", Dialog Abstract of Report No. NREL/TP-451-5353, 04/1993.--
--Suntola, "Atomic Layer Epitaxy", Handbook of Crystal Growth, Vol. 3, Chapter 14, pages 602-663, 1994.--
--Ritala, et al., "Atomic Layer Epitaxy – A Valuable Tool for Nanotechnology?" Nanotechnology, Vol. 10, No. 1, pages 19-24, March 1999.--
--George, et al., "Surface Chemistry for Atomic Layer Growth", Journal of Physical Chemistry, Vol. 100, No. 31, pages 13121-13131, August 1, 1996.—

Page
2 of 3

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Patent No. US 7,094,690 B1

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 3 of 3

PATENT NO. : 7,094,690 B1

APPLICATION NO.: 09/652,533

DATED : August 22, 2006

INVENTOR(S) : Gurtej S. Sandhu et al.

It is certified that an error or errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 12, claim 17, line 13

Replace "contacting with the surface activation agent and precursor"
With --contacting with the surface activation agent and first precursor--

Page
3 of 3

Mailing Address of Sender:

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Patent No. US 7,094,690 B1

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Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MI22-1385SERIAL NO.
09/652,533LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT -- Gurtej-S-Sandhu,-et-al--

FILING DATE
August 31, 2000GROUP
Unassigned

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------------|---------|---------------|-------|----------|----------------------------|
| AA | 5,270,247 | 12/1993 | Sakuma et al. | | | |
| AB | 09/643,004 | | Mercaldi | | | 08/21/2000 |
| AC | 09/619,449 | | Derderian | | | 07/19/2000 |
| AD | | | | | | |
| AE | | | | | | |
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| AH | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | Document Number | Date | Country | Class | Subclass | Translation | |
|----|-----------------|----------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| AL | EP 0 794 568 | 10/09/97 | Europe | H01L | 21/768 | X | |
| AM | | | | | | | |
| AN | | | | | | | |
| AO | | | | | | | |

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | | |
|--|----|--|---|------|--------|---|--|
| | AP | Kiyoko et al., Patent Abstract Application No. 04-024917 (JP 9224917, 09/1993), "Semiconductor Substrate and Its Manufacture." | | | | | |
| | | AM | Ritala, et al., "Atomic Layer Epitaxy - A Valuable Tool for Nanotechnology?" Nanotechnology, Vol. 10, No. 1, pps. 19-24, March 1999. | | | | |
| | AQ | AN | George, et al., "Surface Chemistry for Atomic Layer Growth", Journal of Physical Chemistry, Vol. 100, No. 31, pps. 13121-13131, August 1, 1996. | H01L | 21/768 | X | |
| | | AO | Suntola, "Atomic Layer Epitaxy", Handbook of Crystal Growth, Vol. 3, Chapter 14, pps. 602-663, 1994. | | | | |
| | AR | | Vernon, S.M., "Low-cost, high-efficiency solar cells utilizing GaAs-on-Si technology." Dialog Abstract of Report No. NREL/TP-451-5353; 04/1993. | | | | |
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EXAMINER

Millard J. Al

DATE CONSIDERED

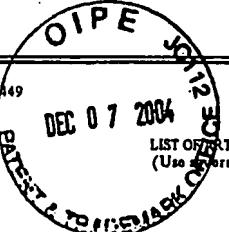
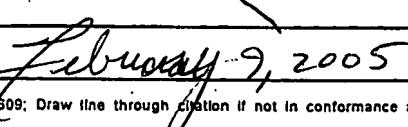
March 27, 2002

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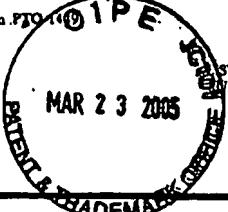
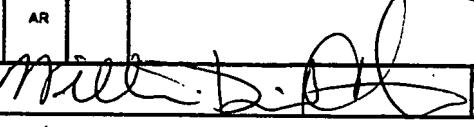
| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | ATTY. DOCKET NO. MI22-1383 | SERIAL NO. 09/652,533 | | |
|---|----|-----------------|---------|-------------------------------|--------------------------|----------|----------------------------|
| LIST OF PATENT CITED BY APPLICANT (If several sheets if necessary) | | | | APPLICANT Gurtej S. Sandhu | | | |
| | | | | FILING DATE August 31, 2000 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|  | AA | 6,827,260 | 09/2003 | Denderian et al | 427 | 301 | |
|  | AB | 5,937,300 | 08/1999 | Sakine et al | 438 | 300 | |
|  | AC | 6,060,383 | 05/2000 | Nogami et al | 438 | 622 | |
|  | AD | 6,258,690 | 07/2001 | Zenke | 438 | 326 | |
|  | AE | 6,596,636 | 07/2003 | Sandhu | 438 | 626 | |
| | AF | | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
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|---|----|-----------------|---------|--|-------|-------------------------------|--------------------------|-------------------------------|
| | | | | APPLICANT Gurtej S. Sandhu | | | | |
| | | | | FILING DATE August 31, 2000 | | GROUP 2823 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | | Class | Subclass | Filing Date If Appropriate |
|  | AA | 4,058,430 | 11/1977 | Suntola et al | | | | |
|  | AB | 6,627,503 | 9/2003 | Ma et al | | | | |
|  | AC | 5,290,824 | 03/1994 | Mandal et al | | | | |
|  | AD | 8,830,201 | 10/2003 | Chiang et al | | | | |
|  | AE | 5,124,278 | 06/1992 | Bohling et al | | | | |
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| AM | | | | | | | Yes | No |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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|--|---|--|---------|-------------------------------|-----------|--------------------------------|-------------|-------------------------------|
| | | | | APPLICANT Gurtej S. Sandhu | | FILING DATE August 31, 2000 | | |
| | | | | | | GROUP 2823 | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | | Class | Subclass | Filing Date If Appropriate |
|  | AA | 6,290,824 | 3/1994 | Ishikawa et al | | | | |
|  | AB | 2002/0066411 | 06/2002 | Chiang et al | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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| EXAMINER |  | | | DATE CONSIDERED | 11/8/2005 | | | |
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| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT: Gurtej S. Sandhu et al. | | | |
| | | | | FILING DATE August 31, 2000 | GROUP 2823 | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
| <i>AA</i> | | 6,165,916 | 12/2000 | Muraoka et al. | | | |
| <i>AB</i> | | 2005/0124171 A1 | 06/2005 | Vaatstra | | | |
| <i>AC</i> | | 2005/0124168 A1 | 06/2005 | Lopatin et al. | | | |
| <i>AD</i> | | 2005/0124153 A1 | 06/2005 | Cohen, Uri | | | |
| <i>AE</i> | | 2005/0101119 A1 | 05/2005 | Li et al. | | | |
| <i>AF</i> | | | | | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| <i>AM</i> | | | | | | | |
| <i>AN</i> | | | | | | | |
| <i>AO</i> | | | | | | | |
| EXAMINER | DATE CONSIDERED | <i>Miller</i> | | | | | 11/8/2005 |
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